# Charting the Course in the Field of Measurement Technology

## Coating thickness measurement, material analysis and general material testing according to the

Hand-held instruments for measuring the thickness of coatings on ferrous or nonferrous metals according to the magnetic induction and eddy current methods.

Various models are available to meet any customer requirement - Including units with measurement display only, memory up to 10,000 measurements, 100 applications, RS232 interface and software for external data processing.

PERMASCOPE® MP0D, ISOSCOPE® MP0D and DUALSCOPE® MP0D are instruments with an integrated measurement probe for one-hand operation.

The FISCHERSCOPE® MMS® Universal Measurement System for coating thickness measurement, material property analysis and dimensional data acquisition.

The MMS® PERMASCOPE® measures coatings on ferrous and nonferrous metals. The instrument features an ergonomic design with large LCD display, clear keypad and menu-driven operator guidance.

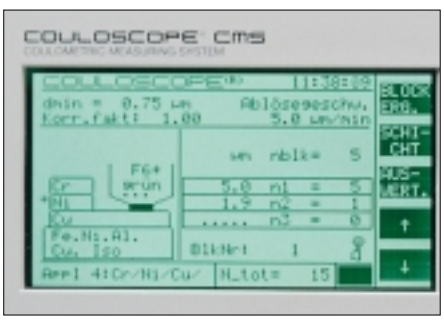
The modular concept of the MMS® enables various processes to be evaluated. A special version accommodates conformal coating and copper thickness measurements on printed circuit boards.

Not only is the MMS® ideally suited for measurements of coating thickness, electrical conductivity and ferrite content – it can also obtain and statistically evaluate data from other measurement tools.

The COULOSCOPE® CMS for coulometric coating thickness measurement of all metallic coatings on any substrate material.

High accuracy and simple operation make the CMS an ideal instrument for quality assurance in electroplating plants with small numbers of random samples.

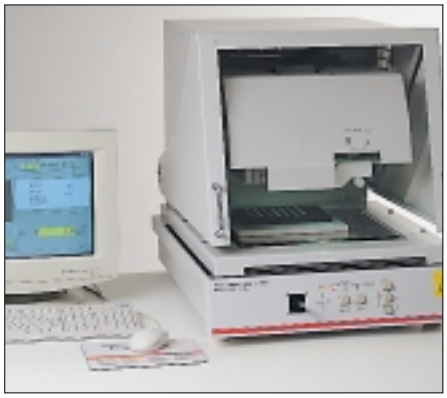
The V18 measuring stand allows large objects to be measured conveniently. High volume parts processing is simplified due to the automatic multiple use automatic cell.




The clear presentation of the measurement application ensures a high degree of operator confidence, even when measuring triple coatings.

## FISCHERSCOPE® X-RAY XDL® – the cost-effective solution for X-ray fluorescence coating thickness measurement.

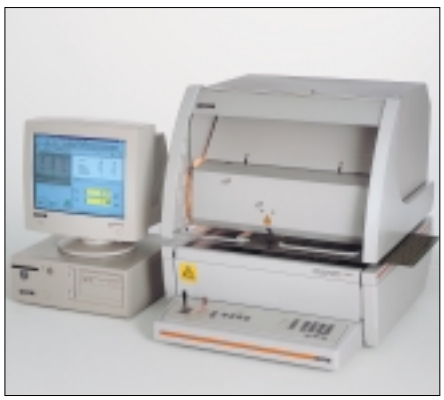
The base XDL® model was developed specifically for electroplating plants to test individual components.



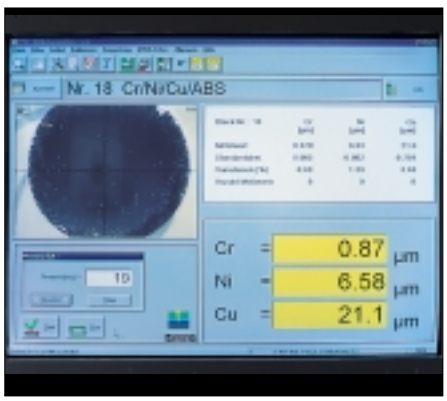
Configured with programmable XYZ travel, the XDL® is ideally suited for controlling high volume products.

Display of the specimen image and graphic representation of the programmed coordinates using the XDL® - XYZp with WinFTM software.

## FISCHERSCOPE® X-RAY XDVM®-W – instrument for measurement and analysis of the most demanding coating system applications.



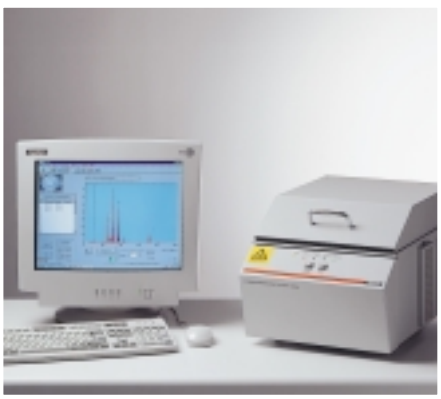
The XDVM®-W is the ideal instrument for delicate coating structures and small parts such as contact pins, etc.




WinFTM® Software, the core of the X-RAY instruments, clearly presents all test parameters and measurements.

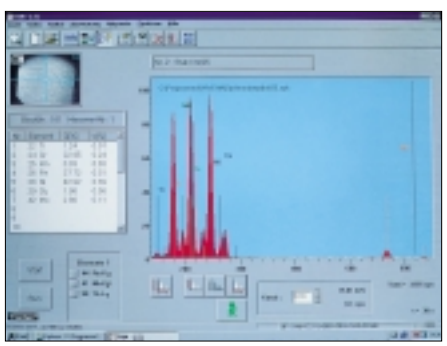
Print form design, including the color video image of the test area, is easy with the optional PDM software.

## FISCHERSCOPE® X-RAY XAN – the novel X-ray fluorescence spectrometer – cost-effective, compact, operator-friendly and extremely powerful.



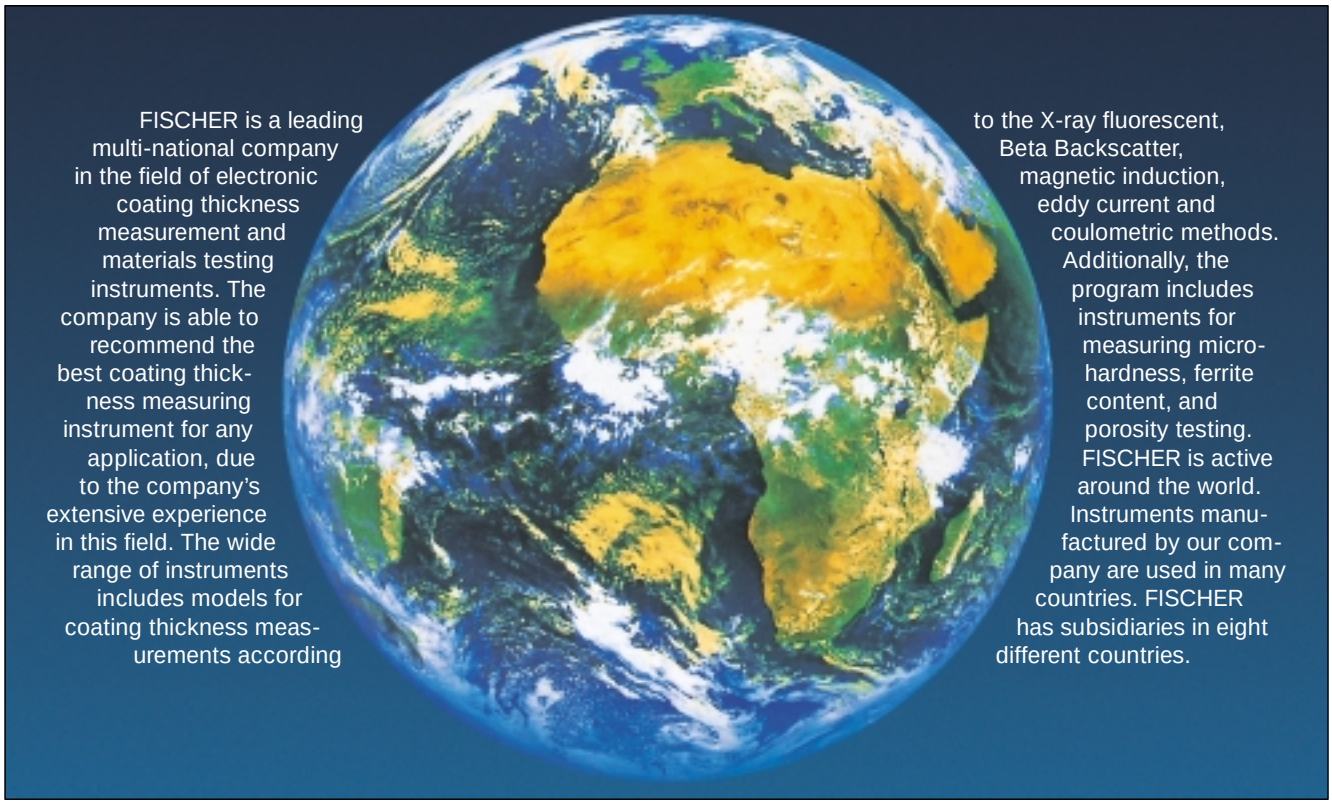
The X-ray fluorescence method is indispensable for the analysis of solids, granulates, liquids, jewelry, etc.

Using a peltier-cooled semiconductor detector, elements from Al to U can be analyzed. Even large samples fit in the easy-to-access measurement chamber.



Display from WinFAM software shows the high-precision analysis data from the spectrum along with the color image of the sample.

# Active around the world



FISCHER is a leading multi-national company in the field of electronic coating thickness measurement and materials testing instruments. The company is able to recommend the best coating thickness measuring instrument for any application, due to the company's extensive experience in this field. The wide range of instruments includes models for coating thickness measurements according to the X-ray fluorescent, Beta Backscatter, magnetic induction, eddy current and coulometric methods. Additionally, the program includes instruments for measuring microhardness, ferrite content, and porosity testing. FISCHER is active around the world. Instruments manufactured by our company are used in many countries. FISCHER has subsidiaries in eight different countries.

*FISCHERSCOPE® H100 with WIN-HCU® for the standardized measurement of the microhardness (HU) of thin paint, hard material, electroplating coatings and foils, etc.*

The high level of quality of FISCHER instruments is the result of years of industry experience, extensive research and cooperation with renowned partners.

*POROSCOPE® HV20 for porosity testing of enameled containers, synthetic coatings or foils, etc., with high voltages up to 25 kV.*

FISCHER is a dependable and competent partner providing proper advice, extensive service and practical training seminars.

*FERITSCOPE® MP30 for standardized non-destructive measurement of the ferrite content in austenitic welded products or in duplex steel.*

Today, FISCHER instruments are employed with great success in industry, research and in all fields of engineering.



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